

SEQUENCE LISTING

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<120> A METHOD FOR THE CHARACTERISATION OF NUCLEIC ACID MOLECULES INVOLVING
GENERATION OF EXTENDIBLE UPSTREAM DNA FRAGMENTS RESULTING FROM THE CLEAVAGE
OF NUCLEIC ACID AT AN ABASIC SITE

<130> 1377-0156P

<140> NEW

<141> 2000-10-20

<160> 32

<170> PatentIn version 3.0

<210> 1

<211> 93

<212> DNA

<213> Homo sapiens

<400> 1

tccaaggaga agctggatgt ggcccccaag cgggatgtgg agggcatggg cccccctgag 60

atcaagtacg gggagtcact gtgcttcgtg cag 93

<210> 2

<211> 93

<212> DNA

<213> Artificial

<220>

<223> DNA generated by PCR amplification and derived from Homo sapiens.

<400> 2

tccaaggaga agctggatgt ggcccccaag cgggaugugg agggcauggg cccccugag 60

aucaaguacg gggagucacu gugcuucgug cag 93

<210> 3

<211> 93

<212> DNA

<213> Artificial

<220>

<223> DNA generated by PCR amplification and derived from Homo sapiens.

<400> 3

ctgcacgaag cacagtgact ccccgucuu gaucucaggg gggcccaugc ccuccacauc 60

ccgcuugggg gccacaucca gcuucuccuu gga 93

<210> 4

<211> 25

<212> DNA

<213> Artificial



<220>
 <223> DNA derived from Homo sapiens and generated by glycosylase mediated cleavage and has a 3' phosphate group

<400> 4
 ctgcacgaag cacagtgact ccccg 25

<210> 5
 <211> 25
 <212> DNA
 <213> Artificial

<220>
 <223> DNA derived from Homo sapiens and generated by glycosylase mediated cleavage and has a 3' hydroxyl group

<400> 5
 ctgcacgaag cacagtgact ccccg 25

<210> 6
 <211> 93
 <212> DNA
 <213> Artificial

<220>
 <223> DNA derived from Homo sapiens and generated by glycosylase mediated cleavage followed by extension of upstream fragment

<400> 6
 ctgcacgaag cacagtgact ccccgtaactt gatctcaggg gggcccatgc cctccacatc 60
 ccgcttgagg gccacatcca gcttctcctt gga 93

<210> 7
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 7
 tccaaggaga agctggatgt ggcccccaag cgggatgtgg agggcatggg cccccctgag 60
 atcaagtacg gggagtcact gtgcttcgtg cagcatgtgg cctcaggact gtggctcacc 120
 tatgccgctc cagaccccaa ggccctgcgg ctcggcgtgc tcaagaagaa ggccatgctg 180
 caccaggagg gccacatgga cgaagcactg tcgctgacct gctgccagca ggaggagtcc 240
 caggccgccc gcatgatcca cagcaccaat ggc 273

<210> 8
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 8
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atcaagtaca gggagtcact gtgcttcgtg cagcatgtgg cctcaggact gtggctcacc 120
 tatgccgctc cagaccccaa ggccttgcgg ctcggcgtgc tcaagaagaa ggccatgctg 180
 caccaggagg gccacatgga cgacgcactg tcgctgaccc gctgccagca ggaggagtcc 240
 caggccgccc gcatgatcca cagcaccaat ggc 273

<210> 9
 <211> 196
 <212> DNA
 <213> Artificial

<220>
 <223> DNA derived from Homo sapiens and generated by glycosylase mediated cleavage and upstream fragment extension, and has a 3' hydrogen atom

<220>
 <221> modified_base
 <222> (196)..(196)
 <223> mod_base = Dideoxy T

<400> 9
 gccattggtg ctgtggatca tgcgggcggc ctgggactcc tctgctggc agcgggtcag 60
 cgacagtgcg tcgtccatgt ggccttctctg gtgcagcatg gccttcttct tgagcacgcc 120
 gagccgcagg gccttgggggt ctggagcggc ataggtgagc cacagtcttg aggccacatg 180
 ctgcacgaag cacagt 196

<210> 10
 <211> 200
 <212> DNA
 <213> Artificial

<220>
 <223> DNA derived from Homo sapiens and generated by glycosylase mediated cleavage followed by upstream fragment extension, and has a 3' hydrogen atom

<220>
 <221> modified_base
 <222> (200)..(200)
 <223> mod_base = dideoxy T

<400> 10
 gccattggtg ctgtggatca tgcgggcggc ctgggactcc tctgctggc agcgggtcag 60
 cgacagtgcg tcgtccatgt ggccttctctg gtgcagcatg gccttcttct tgagcacgcc 120
 gagccgcagg gccttgggggt ctggagcggc ataggtgagc cacagtcttg aggccacatg 180
 ctgcacgaag cacagtgact 200

<210> 11
<211> 204
<212> DNA
<213> Artificial

<220>
<223> DNA derived from Homo sapiens and generated by glycosylase mediated cleavage followed by upstream fragment extension, and has a 3' hydrogen atom

<220>
<221> modified_base
<222> (204)..(204)
<223> mod_base = Dideoxy T

<400> 11
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cgacagtgcg tcgtccatgt ggccctcctg gtgcagcatg gccttcttct tgagcacgcc 120
gagccgcagg gccttggggg ctggagcggc ataggtgagc cacagtcttg aggccacatg 180
ctgcacgaag cacagtgact ccct 204

<210> 12
<211> 206
<212> DNA
<213> Artificial

<220>
<223> DNA derived from Homo sapiens and generated by glycosylase mediated cleavage followed by upstream fragment extension, and has a 3' hydrogen atom

<220>
<221> modified_base
<222> (206)..(206)
<223> mod_base = Dideoxy T

<400> 12
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cgacagtgcg tcgtccatgt ggccctcctg gtgcagcatg gccttcttct tgagcacgcc 120
gagccgcagg gccttggggg ctggagcggc ataggtgagc cacagtcttg aggccacatg 180
ctgcacgaag cacagtgact ccccg 206

<210> 13
<211> 209
<212> DNA
<213> Artificial

<220>
<223> DNA derived from Homo sapiens and generated by glycosylase mediated cleavage followed by upstream fragment extension, and has a 3'

hydrogen atom

<220>
<221> modified_base
<222> (209)..(209)
<223> mod_base = Dideoxy T

<400> 13
gccattggtg ctgtggatca tgcgggcggc ctgggactcc tctgtctggc agcgggtcag 60
cgacagtgcg tcgtccatgt ggcctctctg gtgcagcatg gccttcttct tgagcacgcc 120
gagccgcagg gccttggggg ctggagcggc ataggtgagc cacagtcttg aggccacatg 180
ctgcacgaag cacagtgact ccccgact 209

<210> 14
<211> 204
<212> DNA
<213> Artificial

<220>
<223> DNA derived from Homo sapiens and generated by glycosylase mediated cleavage followed by upstream fragment extension, and has a 3' hydrogen atom

<220>
<221> modified_base
<222> (204)..(204)
<223> mod_base = Dideoxy C

<400> 14
gccattggtg ctgtggatca tgcgggcggc ctgggactcc tctgtctggc agcgggtcag 60
cgacagtgcg tcgtccatgt ggcctctctg gtgcagcatg gccttcttct tgagcacgcc 120
gagccgcagg gccttggggg ctggagcggc ataggtgagc cacagtcttg aggccacatg 180
ctgcacgaag cacagtgact cccc 204

<210> 15
<211> 54
<212> DNA
<213> Homo sapiens

<400> 15
aacttggtgt agttggagct ggtggcgtag gcaagagtgc cttgacgata cagc 54

<210> 16
<211> 54
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(54)

<223> Generated by PCR amplification of genomic DNA

<400> 16

aacttgtggt agttggagct gguggcguag gcaagagugc cuugacgaua cagc

54

<210> 17

<211> 54

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(54)

<223> Generated by PCR amplification of genomic DNA

<400> 17

gctgtatcgt caaggcactc ttgcctacgc caccagcucc aacuaccaca aguu

54

<210> 18

<211> 54

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(54)

<223> Generated by PCR amplification of genomic DNA

<400> 18

aacttgtggt agttggagct gauggcguag gcaagagugc cuugacgaua cagc

54

<210> 19

<211> 54

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(54)

<223> Generated by PCR amplification of genomic DNA

<400> 19

gctgtatcgt caaggcactc ttgcctacgc caucagcucc aacuaccaca aguu

54

<210> 20

<211> 37

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(37)

<223> generated by glycosylase mediated cleavage of PCR amplified DNA

<400> 20
gctgtatcgt caaggcactc ttgcctacgc caccagc 37

<210> 21
<211> 32
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(32)
<223> generated by glycosylase mediated cleavage of PCR amplified DNA

<400> 21
gctgtatcgt caaggcactc ttgcctacgc ca 32

<210> 22
<211> 66
<212> DNA
<213> Artificial

<220>
<223> Synthetic oligonucleotide derived from Homo sapiens.

<400> 22
gctgtaaacg acggccagtt tcatgcaggg ctggagtcgt aggcaagagt gccttgacga 60
tacagc 66

<210> 23
<211> 24
<212> DNA
<213> Artificial

<220>
<223> Synthetic oligonucleotide derived from Homo sapiens.

<400> 23
gctgtaaacg acggccagtt tcat 24

<210> 24
<211> 66
<212> DNA
<213> Artificial

<220>
<223> Nucleic acid derived from Homo sapiens and generated by primer extension

<400> 24
gctgtatcgt caaggcactc ttgcctacgc caccagccct gcatgaaact ggccgtcgtt 60
tacagc 66

<210> 25
 <211> 66
 <212> DNA
 <213> Artificial

 <220>
 <223> Synthetic oligonucleotide derived from Homo sapiens.

 <400> 25
 gctgtaaacg acggccagtt tcatgcagga tccatggcgt aggcaagagt gccttgacga 60
 tacagc 66

 <210> 26
 <211> 66
 <212> DNA
 <213> Artificial

 <220>
 <223> Nucleic acid derived from Homo sapiens and generated by primer extension

 <400> 26
 gctgtatcgt caaggcactc ttgcctacgc catggatcct gcatgaaact ggccgtcggt 60
 tacagc 66

 <210> 27
 <211> 20
 <212> DNA
 <213> Artificial

 <220>
 <223> Synthetic oligonucleotide derived from Homo sapiens.

 <400> 27
 ggtagttgga gctggtggcg 20

 <210> 28
 <211> 10
 <212> DNA
 <213> Artificial

 <220>
 <223> Synthetic oligonucleotide derived from Homo sapiens.

 <400> 28
 tccaactacc 10

 <210> 29
 <211> 47
 <212> DNA
 <213> Artificial

 <220>
 <223> Nucleic acid derived from Homo sapiens and generated by ligation

of two DNA molecule

<400> 29
gctgtatcgt caaggcactc ttgcctacgc caccagctcc aactacc

47

<210> 30
<211> 10
<212> DNA
<213> Artificial

<220>
<223> Synthetic oligonucleotide derived from Homo sapiens.

<400> 30
ccagctccaa

10

<210> 31
<211> 20
<212> DNA
<213> Artificial

<220>
<223> Synthetic oligonucleotide derived from Homo sapiens.

<400> 31
ttggagctgg tggcgtaggc

20

<210> 32
<211> 42
<212> DNA
<213> Artificial

<220>
<223> Nucleic acid derived from Homo sapiens and generated by ligation
of two DNA molecule

<400> 32
gctgtatcgt caaggcactc ttgcctacgc caccagctcc aa

42